

AMENDMENTS TO THE CLAIMS

Claims 1-51 (canceled)

52. (Currently Amended) A concentrated quaternary ammonium compound solution comprising:

a quaternary ammonium compound with a concentration from greater than about 15% by weight to about 40% by weight, wherein said quaternary ammonium compound is cetylpyridinium chloride; and

at least one solubility enhancing agent, wherein at least one of said solubility enhancing agents is propylene glycol.

53.-54. (Canceled)

55. (Currently Amended) A concentrated quaternary ammonium compound solution comprising:

a quaternary ammonium compound with a concentration from greater than 10% by weight, wherein said quaternary ammonium compound is cetylpyridinium chloride; and

at least one solubility enhancing agent, wherein at least one of said solubility enhancing agents is propylene glycol[[,]]

~~wherein said quaternary ammonium compound is an alkylpyridinium salt or an alkylalicyclic ammonium salt.~~

56.-57. (Canceled)

58. (Currently Amended) The concentrated quaternary ammonium compound solution of claim 55 ~~57~~, wherein said quaternary ammonium compound is greater than about 15% by weight.

59. (Previously Presented) The concentrated quaternary ammonium compound solution of claim 52, wherein said solution does not comprise one or more flavoring oils.

60. (Previously Presented) The concentrated quaternary ammonium compound solution of claim 55, wherein said solution does not comprise one or more flavoring oils.

61. (Canceled)

62. (Previously Presented) The solution of claim 52, wherein said solubility enhancing agent further comprises an alcohol or a polyglycol.

63. (Previously Presented) The solution of claim 62, wherein said solubility enhancing agent is selected from the group consisting of a monohydric alcohol, a dihydric alcohol, a trihydric alcohol, a polyethylene glycol and a combination thereof.

64. (Previously Presented) The solution of claim 63, wherein said monohydric alcohol is an aliphatic alcohol, said dihydric alcohol is a glycol or a derivative thereof, and said trihydric alcohol is glycerol or a derivative thereof.

65. (Previously Presented) The solution of claim 55, wherein said quaternary ammonium compound ranges from greater than about 10% by weight to about 60% by weight.

66. (Canceled)

67. (Previously Presented) The solution of claim 55, wherein said quaternary ammonium compound ranges from greater than about 10% by weight to about 50% by weight.

68. (Canceled)

69. (Previously Presented) The solution of claims 55, wherein said quaternary ammonium compound ranges from greater than about 10% by weight to about 40% by weight.

70. (Canceled)

71. (Previously Presented) The solution of claim 55, wherein said quaternary ammonium compound ranges from greater than about 10% weight to about 30% weight.

72.-73 (Canceled)

74. (Previously Presented) The solution of claim 55, wherein said quaternary ammonium compound ranges from greater than about 15% by weight to about 50% by weight.

75. (Canceled)

76. (Canceled)

77. (Previously Presented) The solution of claim 52, wherein said quaternary ammonium compound ranges from about 15% weight to about 25% by weight.

78. (Currently Amended) The solution of claim **55 58**, wherein said quaternary ammonium compound ranges from about 15% weight to about 25% by weight.

79. (Previously Presented) The solution of claim 59, wherein said quaternary ammonium compound ranges from about 15% weight to about 25% by weight.

80. (Previously Presented) The solution of claim 52, wherein said solubility enhancing agent is present at a concentration of up to about 70% by weight.

81. (Previously Presented) The solution of claim 52, wherein said solubility enhancing agent is present at a concentration ranging from about 10% by weight to about 60% by weight.

82. (Currently Amended) A concentrated quaternary ammonium compound solution comprising:

a quaternary ammonium compound with a concentration of about 40% by weight, **wherein said quaternary ammonium compound is cetylpyridinium chloride;** and

propylene glycol with a concentration ranging from about 50% by weight to about 60% by weight.

83. (Previously Presented) The solution of claim 82, wherein said quaternary ammonium compound is present at a concentration of about 40% by weight and said propylene glycol is present at a concentration ranging from about 55% by weight to about 60% by weight, and wherein said solution further comprises water up to about 5% by weight.

84. (Previously Presented) The solution of claim 83, wherein said quaternary ammonium compound is present at a concentration of about 40% by weight, said propylene glycol is present at a concentration of about 57% by weight and said water is present at about 3% by weight.

85. (Canceled)

86. (Previously Presented) The solution of claim 52, wherein said quaternary ammonium compound is present at a concentration of about 40% by weight and said solubility enhancing agent is present at a concentration of about 50% by weight.

87. (Previously Presented) The solution of claim 52, wherein said quaternary ammonium compound is present at a concentration of about 20% by weight and said solubility enhancing agent is present at a concentration of about 50% by weight.

88. (Previously Presented) The solution of claim 52, wherein said solubility enhancing agent is a combination of ethyl alcohol and propylene glycol.

89. (Previously Presented) The solution of claim 62, wherein said quaternary ammonium compound is present at a concentration of about 40% by weight and said alcohol is glycerol and is present at a concentration of up to about 20% by weight.

90. (Canceled)

91. (Currently Amended) A concentrated quaternary ammonium compound solution comprising:

a quaternary ammonium compound with a concentration from greater than about 10% by weight, wherein said quaternary ammonium compound is cetylpyridinium chloride;
and

at least one solubility enhancing agent, wherein at least one of said solubility enhancing agents is propylene glycol,

~~wherein said quaternary ammonium compound is an alkylpyridinium salt or an alkylalicyclic ammonium salt, and~~

wherein said solution does not comprise one or more flavoring oils.

92-93 (Canceled)

94. (Currently Amended) A quaternary ammonium compound solution comprising:

a quaternary ammonium compound with a concentration of up to about 1% by weight, **wherein said quaternary ammonium compound is cetylpyridinium chloride;**

at least one solubility enhancing agent, wherein at least one of said solubility enhancing agents is propylene glycol; and water,

~~wherein said quaternary ammonium compound is an alkylpyridinium salt or an alkylalicyclic ammonium salt, and~~ wherein said solution does not comprise one or more flavoring oils.

95.-96. (Canceled)

97. (Previously Presented) The solution of claim 94, wherein said quaternary ammonium compound has a concentration of about 0.01% to about 1%.

98. (Previously Presented) The solution of claim 94, wherein said solubility enhancing agent further comprises an alcohol or a polyglycol.

99. (Previously Presented) The solution of claim 94, wherein said solubility enhancing agent is selected from the group consisting of a monohydric alcohol, a dihydric alcohol, a trihydric alcohol, a polyethylene glycol, and a combination thereof.

100. (Previously Presented) The solution of claim 97, wherein said monohydric alcohol is an aliphatic ethanol, said dihydric alcohol is a glycol or a derivative thereof, and said trihydric alcohol is glycerol or a derivative thereof.

101. (Previously Presented) The solution of claim 94, wherein said solution is in sprayable or mistable form.

102. (Currently Amended) A quaternary ammonium compound solution consisting essentially of:

a quaternary ammonium compound with a concentration of up to about 1% by weight, **wherein said quaternary ammonium compound is cetylpyridinium chloride;**

at least one solubility enhancing agent, wherein at least one of said solubility enhancing agents is propylene glycol; and water.

103. (Previously Presented) The solution of claim 102, wherein said quaternary ammonium compound has a concentration of about 0.01% to about 1%.

104. (Previously Presented) The solution of claim 102, wherein said solubility enhancing agent further comprises an alcohol or a polyglycol.

105. (Previously Presented) The solution of claim 102, wherein said solubility enhancing agent is selected from the group consisting of a monohydric alcohol, a dihydric alcohol, a trihydric alcohol, a polyethylene glycol, and a combination thereof.

106. (Previously Presented) The solution of claim 102, wherein said monohydric alcohol is an aliphatic ethanol, said dihydric alcohol is a glycol or a derivative thereof, and said trihydric alcohol is glycerol or a derivative thereof.

107. (Previously Presented) The solution of claim 102, wherein said solution is in sprayable or mistable form.